Public Works (1907) Department.

1 docket

(1136)

G.O., No. 458 } I
459 }

DATED 16-10-1907.

22. 10. 07

125/5 Copies of G.O.
60/2 Copies of Prot with docket & extra bands for Govt of India.
40 Copies of Notes G.O. to be stitched with the G.O.

[Despatch Abstract.]

Calingulah at the left bank of Elamannur Kanmoy, Periyar Project

A revised estimate amounting to Rs 4871, for Constg a ——, sanctioned with remarks, and a copy of the Pros: ordered to be forwarded to the Govt of India for information

Calingulah at the left bank of Elamannur Kanmoy, Periyar Project. Forwarding to the Govt of India a copy of the Pros. sanctioning, with remarks, a revised estimate, amounting to Rs 4871, for constructing a ——.

Indexed.

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2,000—6-7-06.

Comd 16/10
CS / 20/10
[illegible] 19/10/07

BACK PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

FURTHER PAPERS.

G.O.	No.	Department.	Date.	G.O.	No.	Department.	Date.

IRRIGATION.
ACCOUNT.

Government of Madras.

PUBLIC WORKS DEPARTMENT.

CONFIDENTIAL.

Recd.	} *1907.*	*Enclosures*
Regd.		*Spare copies*

G.O., No. 458 I., 16th October 1907.

?alingulah at the left bank of Elamanur Kanmoy, Periyar Project.

A revised estimate, amounting to Rs. 4,871, for constructing a —, sanctioned with remarks, and a copy of the proceedings ordered to be forwarded to the Government of India for information.

CONFIDENTIAL.

GOVERNMENT OF MADRAS.

PUBLIC WORKS DEPARTMENT.

Irrigation.
Account.

READ—the following papers :—

I

G.O., No. 748 I., dated 7th July 1906.

II

Letter—from C. W. WOOD, Esq., Superintending Engineer, VI Circle.
To—the Chief Engineer for Irrigation.
Dated—Trichinopoly, the 6th August 1907.
No.—429 C.E.

In G.O., No. 748 I., dated 7th July 1906, an estimate, amounting to Rs. 1,790, for constructing a calingulah at the left flank of Elamanur, Periyár Kanmoy, one of the Periyár-affected tanks, to be maintained by the Public Works Department according to G.O., No. 710 I., dated 19th August 1896, was sanctioned for execution.

The Executive Engineer, Madura Division, who submitted a revised estimate amounting to Rs. 3,960 for the work, and was called on in this office No. 2516, dated 25th June 1907 (copy enclosed), to explain why the sanctioned plans and estimates have not been adhered to during execution, reports that the work was carried out according to the revised plan and estimate for reasons set forth in his letter No. 443-S.E., dated 8th July 1907 (copy enclosed). He has been asked not to carry out in future any work without previously obtaining the necessary sanction and to strictly adhere during execution to the sanctioned plans and estimates unless deviations therefrom have been either approved or sanctioned by the competent authority.

As the work in question has, it is understood, been almost fully completed, I request you to be so good as to obtain the sanction of Government to the revised estimate.

The original plans and estimate are also herein enclosed for reference.

ENCLOSURES.

Letter—from C. W. WOOD, Esq., Superintending Engineer, VI Circle.
To—the Executive Engineer, Madura Division.
Dated—Trichinopoly, the 25th June 1907.
No.—2516.

Revised Estimate for constructing a weir at the left flank of Elamanur tank.

The explanations given for the complete change of design are of such a meagre nature that the Superintending Engineer, with the information before him, is unable to submit the revised estimate to Government for sanction.

The Executive Engineer is requested to resubmit the estimate at a very early date with the full reasons which led him to consider the sanctioned design unsuitable and to adopt a much more expensive design for a much longer weir, the result being that there has been an excess of more than 100 per cent. over the sanctioned estimate.

In particular full details of the difficulties met with in getting in the foundations must be given and reasons also for the increased width of concrete bed as carried out.

The increase in thickness given to the body wall seems arbitrary and must be fully explained.

The Executive Engineer is requested to give early and close attention to this reference.

Letter—from A. R. DECHAZAL, Esq., Executive Engineer, Madura Division.
To—the Superintending Engineer, VI Circle.
Dated—the 8th July 1907.
No.—443-S.E.

Referring to your No. 2516 of 25th June 1907, I have the honour to state that the original design was for a calingulah 100 feet long and the design, which I adopted, is for a weir 168 feet long.

The tank is a Periyár tank and irrigates at a much higher duty than rain-fed tanks which irrigate, say, 5 acres per million cubic feet of their capacity. For these reasons it is necessary to spend much more money in keeping the water of this tank than it would be to keep water in rain-fed tanks.

These are my reasons for altering the calingulah into a flush weir.

As for the alteration in the foundations, I am positive that the design made by my predecessor would not have stood one single flood. I am diffident about my weir standing for ever, but I had to take a decision at once. The tank is important, not so much on account of its present ayacut, as of its prospective ayacut.

I cannot give a much clearer explanation than I have given of the soil. The old weir has entirely disappeared into the mud and I sank up to my knees while going over the country prospecting for a better site.

Report to accompany the revised estimate for constructing a weir at left flank of Elamanur tank.

	RS.
Amount of revised estimate	3,960
Amount of original estimate	1,790
Net excess ..	2,170

The original estimate which was for a calingulah has now been altered into a flush weir and the design has been altered to suit local conditions of soil and subsoil. Provision has been made in the estimate for filling up loose pits under the retaining wall with concrete, for strengthening the retaining wall with iron bars, etc. The bund adjoining the weir on the surplus channel side will be revetted to avoid its being eroded. The soil is charged with nitre and is a mass of "quick sands" (if this name can be applied to soils other than sands). The first weir was carried away and has disappeared below the ground. After careful surveys and inspections, I decided to build the weir as shown in the plan. The work is finished.

Estimate Form—Comparative Statement of differences.

Description of work.	Original estimate.			Revised estimate.			More.	Less.	Explanation of difference.
	Quantity.	Rate.	Amount.	Quantity.	Rate.	Amount.			
1	2	3	4	5	6	7	8	9	10
Constructing a weir at left flank of Elamanur Tank.									
			RS.			RS.	RS.		The whole country is salt land, the ground is deep and very soft when wet. There is no better site for a weir. The original design has been altered to suit the local conditions. An old weir was breached and has nearly disappeared below ground. The design has been altered into that of a flush weir which is more suitable, leading to economy of water. The revetment in rear is necessary to prevent a breach in the tank bund which has repeatedly happened. This design is the best that suggested itself to me after careful investigation on the spot.
As per estimate sanctioned in R. No. 145 of 1906-07.	..	..	1,790	..	..	..	..	..	
As per details attached.	..	..	..	..	..	3,960	2,170	..	
Total ..	..	..	1,790	..	..	3,960	2,170	..	
Deduct—Amount sanctioned in R. No. 145 of 1906-07.	..	..	..	..	..	1,790	..	..	
Net amount requiring sanction.	..	..	..	..	..	2,170	2,170	..	

A. R. deChazal,
Ex. Engr., Madura Division.

III

Note by the Chief Engineer for Irrigation.

The revised estimate is recommended for sanction in supersession of the estimate of Rs. 2,202, including the charge for establishment, sanctioned in the order quoted above.

2. The action of the Executive Engineer, Madura Division, in carrying out the work on an entirely revised design without the approval of the original sanctioning authority was most irregular and the reasons adduced by him for his action cannot be considered satisfactory.

H. E. Clerk,
Ag. Chief Engineer for Irrigation.

October 1907.

Order—No. 458 I., dated 16th October 1907.

The revised estimate, amounting to Rs. 3,960 or Rs. 4,871, including the charge for establishment, is sanctioned in supersession of the estimate of Rs. 2,202 sanctioned in G.O., No. 748 I., dated the 7th July 1906.

2. This sanction is registered as No. 107 I. of 1907-08, and will expire on the 31st March 1908.

3. The failure of Mr. A. R. deChazal, Executive Engineer, Madura Division, to report to the Superintending Engineer the modifications he found necessary to make in the design for the work as required by paragraph 931, Public Works Code, is considered very unsatisfactory and he will be so informed.

4. Ordered that a copy of these proceedings be forwarded to the Government of India for information in continuation of endorsement No. 749 I., dated 7th July 1906.

[Here enter No. 459 I., dated 16th October 1907.]

(True Extract.)

H. E. CLERK,
Ag. Joint Secy. to Govt., P.W.D.,
Irrigation Branch.

To the Chief Engineer, Public Works Department.
,, Chief Engineer for Irrigation.
,, Superintending Engineer, VI Circle,
with revised estimate and plan.
,, Examiner, Public Works Accounts (in MS.
omitting paragraph 2 of Chief Engineer's
note and paragraph 3 of the order).

CONFIDENTIAL.

PUBLIC WORKS DEPARTMENT
(IRRIGATION BRANCH).

NOTES CONNECTED WITH G.O., Nos. 458, 459 I., DATED 16TH OCTOBER 1907.

[SUBJECT—*Revised Estimate for constructing a calingulah at the left flank of Elamanur Kanmoy, a Periyár-affected tank, and the responsibility of the Executive Engineer concerned in connection therewith.*]

From the Superintending Engineer, VI Circle, No. 429 *C.E., dated 6th August* 1907.

Under Secretary—

With the current quoted above, the Superintending Engineer, VI Circle, submits a revised estimate, amounting to Rs. 3,960, for constructing a weir at the left flank of Elamanur Kanmoy, Periyár-affected tank, Madura district, showing an excess of Rs. 2,170 over the original estimate of Rs. 1,790 sanctioned in G.O., No. 748 I., dated 7th July 1906.

2. The work is reported to have been completed in accordance with the revised estimate, and the Executive Engineer, Madura Division, who was called on by the Superintending Engineer to explain the circumstances under which the original design was departed from without adequate sanction and a more expensive design adopted, resulting in an excess of over 100 per cent. over the sanctioned estimate, reports that the original design was for a calingulah 100 feet long, while the revised design is for a flush weir 168 feet long, that the tank being a Periyár-affected one it was necessary to spend more money in keeping the water in the tank than it would be necessary, if the tank was a rain-fed one, and that he had to alter the foundations as he was convinced that the original design would not have stood a single flood. It is also stated that the tank being an important one, the Executive Engineer had to take decisive action at once.

Orders are requested whether the revised estimate may be checked and sanctioned.

S. A. VENKATARAMIER.
16-8-07.

S. DORAISWAMI AIYAR.
16-8-07.

The explanation given for altering the design and carrying out the altered plan without orders is hardly satisfactory.

T. W. S. SMYTH.
19-8-07.

Check estimate for sanction. In sanctioning, it should be stated that the action of the Superintending Engineer in carrying out the work on an entirely revised design without asking orders of the sanctioning authority was most irregular and that the reasons adduced by him for his action cannot be considered satisfactory.

H. E. CLERK.
19-8-07.

Superintendent, Finance Section—

The estimate has been checked. The work has been carried out.

Two iron rods, ¾″ diameter, are used in the body of the masonry of the rear returning wall of the weir and their use is, perhaps, open to question; but in this connection *vide* pages 5 and 6 of G.O., No. 1939 W., dated 2nd October 1906.

M. VASUDEVA AIYAR.
17-9-07.

S. BHASKARA AIYAR.
25-9-07.

Under Secretary—

A draft order sanctioning the revised estimate is submitted and may, if approved, be circulated to His Excellency, through Secretary with reference to paragraph 3 of the order.

MAHAMAD ABDULLA.
25-9-07.

S.D.
25-9-07.

T.W.S.S.
27-9-07.

Submitted to His Excellency the Governor through Secretary.

Revised estimate for constructing a calingulah at the left bank of Elamanur Kanmoy, Periyar-affected tank, Madura district.

The original estimate amounted to Rs. 2,202 and the revised estimate is for Rs. 4,871. The only point that requires notice is that the Executive Engineer carried out the complete revision of the design without giving any information to the Superintending Engineer of what he was doing. The revision of the estimate was probably quite necessary, and it may have been important, though not really necessary, to carry it out in anticipation of sanction; but in failing to report what he was doing to the Superintending Engineer, he violated a distinct and important rule (paragraph 293, Public Works Department Code). It is feared that one or two Executive Engineers do not realize their obligations in this respect and it is important that they should be made to do so. At the same time nothing should be laid down which would tend to deter an Executive Engineer taking prompt action in cases of real urgency.

H.E.C.
27-9-07.

Submitted to His Excellency.

The Government regulations as to the duties of Executive Engineers in respect of alterations are perfectly clearly and reasonably laid down in paragraph 931, Public Works Code. The case of urgency is specially provided for. I would therefore refer to the paragraph in the Government Order naming the officer (Mr. deChazal). I would omit the words "the Superintending Engineer will see," etc., which seem to convey some sort of censure to the Superintending Engineer, but whose action in this case seems to me to have been perfectly correct. The censure conveyed to Mr. deChazal by name, it is submitted, is sufficient, although this is not the only case in which this officer has exceeded his authority. Quite recently he did this, I think, in regard to expenditure on the Collector's residence, Madura Tumkum bungalow.

F. J. WILSON.
1-10-07.

Mr. deChazal must be made to understand that it is his business to acquaint himself with the regulations and that if he continues to ignore them the Government will have to take serious notice of his conduct.

A. L[AWLEY].
3-10-07.

Chief Engineer for Irrigation—

I have communicated the substance of His Excellency's note above to the Superintending Engineer confidentially for communication to Mr. deChazal.

F.J.W.
5-10-07.

D.E.I.
E.I.

The draft order will now issue.

B. GOPALA ROW.
9-10-07.

T.W.S.S.
9-10-07.

H.E.C.
9-10-07.

This file should therefore have been confidential.

T.S.
9-10-07.

[Issued as G.O., Nos. 458, 459 I., dated 16th October 1907.]

...ing the charge for establishment
...admitted in supersession of the ...
... Rs 2202/ sanctioned in G.O. No 1483
... dated the 1st July 1906

Subject :- Revised Estimate for constructing a calingulah at the left bank of Elamanur Kannoor Periya affected tank, Madura Dt.

CURRENT NO. 9572 PASSED ON BY D.C. 16-10-06 U. REF. D.O.

PUBLIC WORKS DEPARTMENT.
IRRIGATION BRANCH.

C.R. No 5109.

PROCEEDINGS OF THE MADRAS GOVERNMENT.

Confidential

READ ~~the following~~ again

Flag J G.O. No 748 I. dated 7th July 1906

Read also

p.t. c.f. Letter from S.E. VI Circle No 429 C.E. dated 6.8.1906

Note by the Chief Engineer for Irrigation

The revised Estimate is recommended for sanction in supersession of the Estimate of Rs 2.202 including the charge for establishment sanctioned in the order quoted above.

Flag J

2. The action of the Executive Engineer, Madura Division, in carrying out the work on an entirely revised design without the approval of the original sanctioning authority was most irregular and the reason adduced by him for his action cannot be considered satisfactory.

(initialled) 3.10.07

Issue

(Sd) J.W.B.

D.I.

—

Order No 458 I dated 16-10-1906

The revised Estimate amounting to Rs 3.960 or Rs 4.8[illegible] including

including the charge for Establishment is sanctioned in supersession of the Estimate of Rs 2202/- sanctioned in G.O. No 7489. flag J dated the 7th July 1906.

2. This sanction is registered as No 107 - D of 1907-1908 and will Expire on the 31st March 1908.

3. The ~~action of the~~ failure of Executive Engineer, Madura Division, ~~referred to in para 2 of the Chief Engineer's note~~ to report to the Supdg. Engineer the modifications he found necessary to make in the design for the work as required by para 938 P.W. Code is considered very unsatisfactory and ~~the Superintending Engineer will see that such irregularities do not recur.~~ he will be so informed

4. Ordered that a Copy of these Proceedings be forwarded to the Government of India for information in continuation of Endorsement No 749. D. dt 7th July 1906. flag J.

[H.E. No 4599 d/ 16-10-1907]

Forwarded.

Gr. A.R. de Chazal

DESPATCHED
14 NOV 1907

Registered

DESPATCHED
14 NOV 1907

To the Chief Engineer, P.W.D.
The Chief Engineer for Irrigation
" Supdg. Engr VI Circle with Revised Estimate & plan.
⊗ Examiner, P.W. Accounts
ordinary press

27/9/07

(in MS omitting para 2 of E.O's Note and para 3 of the order)

⊗ The copy to Examiner to issue in MS omitting para 2 of E.O's note & para 3 of the order.

E. I. Form No. 1 (a)—1,000—10-3-05.